

## ABSTRACT

A method of parametrically encoding a transient audio signal, including the steps of: determining a set  $V$  of the  $N$  largest frequency components of the transient audio signal, where  $N$  is a predetermined number; determining an approximate envelope of the transient audio signal; and determining a predetermined number  $P$  of samples  $W$  of the approximate envelope for use in generating a spline approximation of the approximate envelope, whereby a parametric representation of the transient audio signal is given by parameters including  $V$ ,  $N$ ,  $P$  and  $W$ , such that a decoder receiving the parametric representation can reproduce a received approximation of the transient audio signal.

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